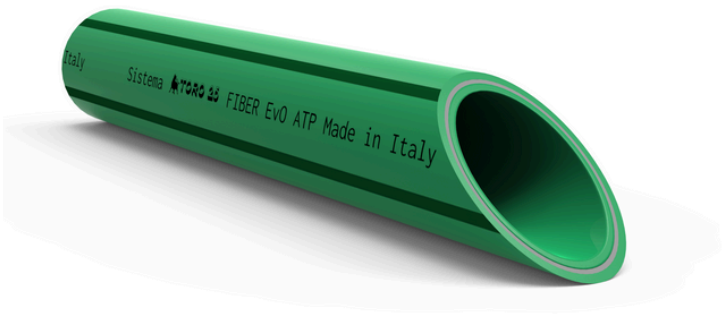
FIBER EvO PIPE

TORO 25 FIBER EvO system consists of three-layer pipes made of PP-R EvO, Random Cpolymer Polypropylene with special and improved crystalline structure, reinforced with glass fiber, used for the adduction of pressure fluids.
This particular blend is called Fiber Evo: Fiber → glass fiber ; EvO → PP-R EvO.
TORO 25 FIBER EvO system allows to solve the design problems related to thermal expansion. The special PP-R EvO blend with glass fiber, in fact, provides mechanical stabilization in case of thermal expansion, giving the pipe a linear expansion coefficient equal to 0.04 mm/m °C.
TORO 25 FIBER EvO system is used in hot/cold water supply systems in the residential, commercial, industrial and naval sectors.
TORO 25 FIBER EvO pipes are perfectly compatible with all the accessories of the TORO 25 system.
The range includes PN20 pipes with SDR6, SDR 7,4, SDR9.



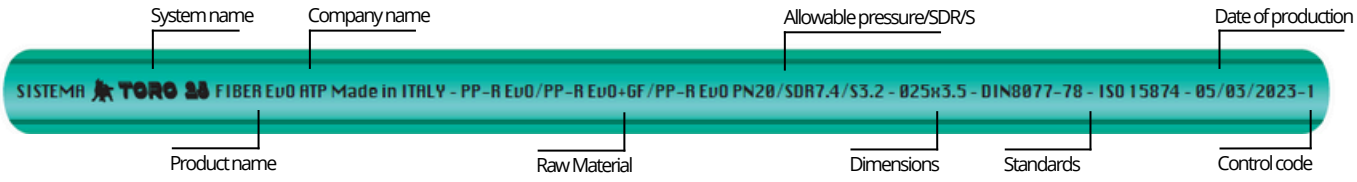
APPLICATION FIELDS

- potable water
- heating system
- connection heating and cooling
- ship building installation
- chilled water installation and air conditioning
- agriculture irrigation systems
- sports installation heating and cooling
- industrial equipments and installation
- swimming pool
- chemical liquids
- rainwater recovery

ADVANTAGES

- non-toxic materials
- easy installation
- lightness
- durability
- efficiency and versatility
- no noise and vibration
- safety against frost
- safety against corrosion
- safety against abrasion and deposits
- safety against condensation and heat loss
- safety against stray currents
- 100% recyclable (Green Building Product)

MARKING

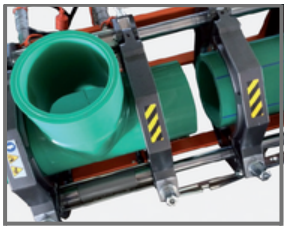


TORO 25

FIBER EvO PIPE

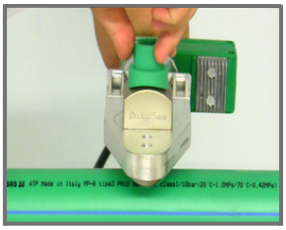
WELDING TECHNIQUES

socket welding



butt welding

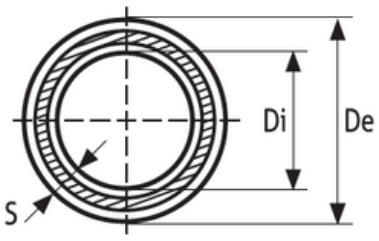
electrofusion



saddle welding

DIMENSIONS

SDR	Article	De mm	Di mm	Thickness (S) mm	Peso kg/m
FIBER - PN20 - SDR6/S2,5					
6	TUB 20 SDR6 F	20	13,2	3,4 (+0,6)	0,180
	TUB 25 SDR6 F	25	16,6	4,2 (+0,7)	0,279
FIBER EvO - PN20 - SDR9/S4					
9	TUB 32 SDR9 FE	32	24,8	3,6 (+0,6)	0,328
	TUB 40 SDR9 FE	40	31,0	4,5 (+0,7)	0,513
	TUB 50 SDR9 FE	50	38,8	5,6 (+0,8)	0,785
	TUB 63 SDR9 FE	63	48,8	7,1 (+1,0)	1,200
	TUB 75 SDR9 FE	75	52,8	8,4 (+1,1)	1,700
	TUB 90 SDR9 FE	90	69,8	10,1 (+1,3)	2,450
	TUB 110 SDR9 FE	110	85,4	12,3 (+1,5)	3,600
	TUB 125 SDR9 FE	125	97,0	14,0 (+1,6)	4,480
	TUB 160 SDR9 FE	160	124,2	17,9 (+2,0)	7,326
	TUB 200 SDR9 FE	200	155,2	22,4 (+2,5)	11,440
	TUB 250 SDR9 FE	250	194,2	27,9 (+3,0)	17,785
FIBER EvO - PN20 - SDR7,4/S3,2					
7,4	TUB 20 SDR7,4 FE	20	14,4	2,8 (+0,5)	0,158
	TUB 25 SDR7,4 FE	25	18,0	3,5 (+0,6)	0,246
	TUB 32 SDR7,4 FE	32	23,2	4,4 (+0,7)	0,394
	TUB 40 SDR7,4 FE	40	29,0	5,5 (+0,8)	0,613
	TUB 50 SDR7,4 FE	50	36,2	6,9 (+0,9)	0,955
	TUB 63 SDR7,4 FE	63	45,8	8,6 (+1,1)	1,500
	TUB 75 SDR7,4 FE	75	54,4	10,3 (+1,3)	2,135
	TUB 90 SDR7,4 FE	90	65,4	12,3 (+1,5)	3,058
	TUB 110 SDR7,4 FE	110	79,8	15,1 (+1,8)	4,576
	TUB 125 SDR7,4 FE	125	90,8	17,1 (+2,0)	5,891
	TUB 160 SDR7,4 FE	160	116,2	21,9 (+2,4)	9,800



FIBER EvO PIPE

PHYSICAL-MECHANICAL CHARACTERISTICS

Hygienic compatibility: supply of drinking water and food fluids for human consumption

Thermal transmission coefficient:	ƛ = 0,15 W/m°C
Coefficient of thermal expansion:	α = 0,04 mm/m°C
Fire resistance classification:	E (UNI-EN ISO 13501-1:2007)
Internal roughness:	μ= 0,0050 mm
Welding system:	thermofusion / electrofusion
Tube structure:	three-layer
Materiale:	PP-R EvO / PP-R EvO+GF/ PP-R EvO
Matt	
Color:	light green with four dark green coextruded lines
Supply:	4 m rods in sacks

Compatibility with all TORO 25 system PP-R fittings

For technical and installation warnings, please consult the official catalogue

STANDARD

DIN 8077 / 8078 / 16962	RINA-ASTM D 635:2010
DVS 2207 / 2208	UNI EN 11861-15:2003
EN ISO 15874-2-3-5	ISO 8795:2001
EN ISO 15494	ASTM D 2444:2010
SGBP 2018-1968	UNI EN ISO 21003
NSF / ANSI / CAN 61	

CERTIFICATIONS